



# SWITCHES AND DIVERTERS



- **AMF offers a variety of switches and diverters for products, pans, lids, trays and baskets to meet any production requirements.**

## SWITCHES AND DIVERTERS

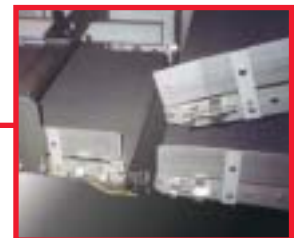
- High Speed Vertical Switch
- Vertical Selector Switch
- Pivoting Conveyor Horizontal Diverter
- Swing Arm Type Horizontal Diverter
- Heavy-Duty Select-O-Flow Horizontal Diverter
- Medium-Duty Select-O-Flow Horizontal Diverter
- Light-Duty Select-O-Flow Horizontal Diverter

## High Speed Vertical Switch

Our High Speed Vertical Switch is used to switch pans, lids, trays or baskets from one conveyor line into two or three superposed (same vertical plane) receiving lines. This type of switch is used in pans, lids or basket return conveyor lines, for high speed line selection (Up to 35 actions/min).

The switch consist of : one (1) Infeed Switching Conveyor and two (2) or three (3) Fixed Receiving Conveyors mounted inside a steel frame. The Infeed Conveyor pivots around its infeed shaft axis and its discharge goes up and/or down accordingly in order to discharge onto the receiving conveyors that are fixed mounted. The switching is done by a pneumatic cylinder mounted under or over the Infeed Conveyor.

- Standard length 76", 1 in – 2 out and 1 in – 3 out configurations according to your layout (Elevations In & Out)
- Stand-alone or system integrated unit.
- Intralox, Series 1100, Friction Top Belting. (No more tracking problems)
- Anodized aluminum conveyor side frames, steel-it painted frame and conveyor cross members.
- Black oxidized steel shafts and zinc plated steel hardware.
- Switch is equipped with air tank, 3/8" FRL and high Cv pneumatic valves for dependable high speed switching and shut-off valve for safety.
- Lexan® panels and doors equipped with safety switches.
- Two drives : one (1) for infeed conveyor, and one (1) for Outfeed Conveyors.
- Optional : Magnets, additional drives (for different Outfeed Conveyor speeds).



## Vertical Selector Switch



Our Vertical Selector Switch is used to switch Pans, Lids, Trays, Baskets or Products from one Conveyor Line into two or three superposed (same vertical plane) receiving lines. This type of switch is generally used when the selection of the receiving conveyor lines is made prior to the start-up of the production, generally the switching is not possible while running.

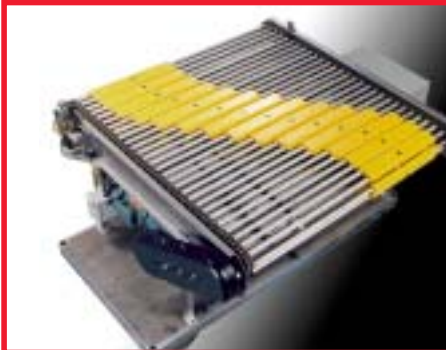
The switch consist of one (1) Switching Frame into which is mounted a conveyor with an extended tail shaft, acting as the pivot. The switching is done by a pneumatic cylinder mounted under or over the conveyor. The conveyor is not included and should be selected for the specific application.

Configuration according to your layout (Elevation In & Out)

### Heavy Duty Select-O-Flow Horizontal Diverter – Pans, Lids and Trays

Our Heavy-Duty Select-O-Flow Horizontal Diverter is used to divert Pans, Lids, Trays or Baskets from one conveyor line into two or three juxtaposed (same horizontal plane) receiving lines. This type of diverter is used in pan, lid or basket return conveyor lines, for high speed line selection (Up to 35 actions/min).

The switch consist of a conveyor made out of two (2) strands of roller chain (ASA 80), transversal rods



(1" diam.) on which plastic slats slides from one side to the other. The switching is done by a metallic finger pneumatically actuated which direct the slats into a guiding track.

- Standard Configuration 1 in – 2 out and 1 in – 3 out, configuration specific to your layout also available.
- Stand alone or system integrated unit.
- Anodized aluminum side frames, steel-it painted frame, steel cross members, stainless steel sliding rods and zinc plated steel hardware.
- Switch is equipped with 1/4" FRL, high Cv pneumatic valves and quick exhaust mufflers for dependable high speed switching.

### Swing Arm Type Horizontal Diverter

Our Swing Arm Type Horizontal Diverter is used to divert Pans, Lids, Trays or Baskets from one Conveyor Line into two juxtaposed (same horizontal plane) receiving lines. This type diverter is used for moderate speed switching from one line to the other (Up to 15 actions/min).

The switch consist in a Flat Top Conveyor with a pivoting arm mounted above its carrying surface.



- Standard configuration (1 in - 2 out), configuration specific to your layout also available.
- Stand alone or system integrated unit.
- Intralox, Series 900, Flat Top Belt.
- Anodized aluminum side frames, steel-it painted cross members, zinc plated steel hardware and black oxidized shafts.
- Switch is equipped with 3/8" FRL and high Cv pneumatic valves for dependable switching speed and shut-off valve for safety.

### Pivoting Conveyor Horizontal Diverter

Our Pivoting Conveyor Horizontal Diverter is used to divert Pans, Lids, Trays or Baskets from one conveyor line into two juxtaposed (same horizontal plane) receiving lines. This type of diverter is used for some relatively moderate speed switching from one line to the other (Up to 15 actions/min).



The switch consist in three conveyors mounted on a single rigid frame. One conveyor is pivoting around a vertical axis (from one side to the other), the two receiving conveyors are fixed.

- Standard configuration (1 in - 2 out), configuration specific to your layout also available.
- Stand alone or system integrated unit.
- Intralox, Series 1100, Friction Top and Flat Top Beltings
- Anodized aluminum side frames, steel-it painted cross members and frame, zinc plated steel hardware.
- Switch is equipped with 3/8" FRL and high Cv pneumatic valves for dependable switching speed and shut-off valve for safety.

## Light Duty Select-O-Flow Horizontal Diverter - Product



Our Horizontal Light-Duty Select-O-Flow is used to divert products (bread, buns) from one conveyor line into two or three juxtaposed (same horizontal plane) receiving lines. This type of diverter is used in application where the switching is guided by conditions upstream and/or downstream the conveyor line (Up to 35 actions/min). The switch consist of a conveyor made out of two (2) strands of roller chain (ASA 60), transversal rods (5/16" diam.) on which the stainless steel slats slides from one side to the other. The switching is done by a metallic finger pneumatically actuated which direct the slats into a guiding track.



- Standard configuration 1 in – 2 out and 1 in – 3, configuration specific to your layout also available.
- Stand alone or system integrated unit.
- Stainless steel slide rods and stainless steel sliding slats.
- Anodized aluminum side frames, steel-it painted cross members and zinc plated steel hardware.
- Switch is equipped with 1/4" FRL and high Cv pneumatic valves for dependable high speed switching.

## Medium Duty Select-O-Flow Horizontal Diverter - Product



Our Horizontal Medium-Duty Select-O-Flow is used to divert products (bread, buns) from one conveyor line into two or three juxtaposed (same horizontal plane) receiving lines. This type of diverter is used in application where the switching is guided by conditions upstream and/or downstream the conveyor line (Up to 35 actions/min). The switch consist of a conveyor made out of two (2) strands of roller chain (ASA 60), transversal rods (1/2" diam.) on which the UHMW slats slides from one side to the other. The switching is done by a metallic finger pneumatically actuated which direct the slats into a guiding track.



- Standard configuration 1 in – 2 out and 1 in – 3 out, configuration specific to your layout also available.
- Stand alone or system integrated unit sliding.
- Stainless steel slide rods and UHMW slats.
- Anodized aluminum side frames, steel-it painted cross members and zinc plated steel hardware.
- Switch is equipped with 1/4" FRL and high Cv pneumatic valves for dependable high speed switching.

## Heavy Duty Select-O-Flow Horizontal Diverter - Product



Our Horizontal Heavy-Duty Select-O-Flow is used to divert products (bread, buns) from one conveyor line into two or three juxtaposed (same horizontal plane) receiving lines. This type of diverter is used in application when the switching is guided by conditions upstream and/or downstream the conveyor line (Up to 55 actions/min). The switch consist in a conveyor made out of two (2) strands of roller chain (ASA 60), transversal aluminum extruded profile (Dog Bone Shaped) on which the UHMW slats slides from one side to the other. The switching is done by a metallic finger pneumatically actuated which direct the slats into a guiding track. The switching mechanism is easily removable.



- Standard configuration 1 in – 2 out and 1 in – 3, configuration specific to your layout also available.
- Stand alone or system integrated unit.
- Anodized aluminum extruded slide members (Dog Bone Shaped) and UHMW slats.
- Anodized aluminum side frames, steel-it painted cross members and zinc plated steel hardware.
- Switch is equipped with 1/4" FRL, high Cv pneumatic valves and quick exhaust mufflers for dependable high speed switching.

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